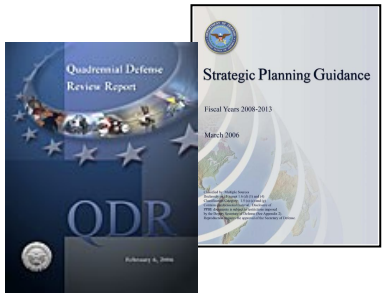
Joint Capability Areas

Keith Quinton
Joint Staff J-7 / JETCD

April 2006

JCA Time Line



QDR and SPG re-affirmed them…

May 06 Progress Rpt

May 06

Expanded FCB GO/FO Mtg
3 Apr 06

Apr

SPG
22 Mar 06

JCA Refinement Mtg
15-16 Mar 06

Mar

QDR
6 Feb 06

Feb

Jan

Formal Planner-Level Data Call
14 Dec 05

Dec

QDR Taxonomy SWG gave 6 month progress report to IPT #5 SPIWG
6 Nov 05

Nov

JCAMP Development

Oct

Refined Tier 1 & Working Tier 2 JCA Lexicon & Taxonomy delivered to IPT #5 SPIWG
31 Aug 05

Sep

CJCS refining them…

Aug

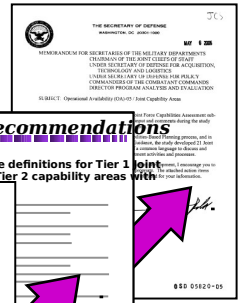
Jul

JCA Tier 1 & 2 GO/FO CRC
24-25 Aug 05

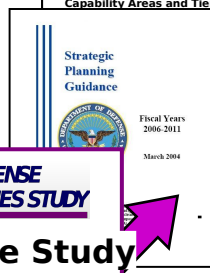
Jun

JCA Tier 1 & 2 / Business Rules GO/FO Staffing
13 May 05

May 05


OA-05 Recommendations
General:
4. CJCS continue to refine definitions for Tier 1 Joint Capability Areas and Tier 2 capability areas with

SecDef directed them…



OA-05 delivered them…

JOINT DEFENSE CAPABILITIES STUDY

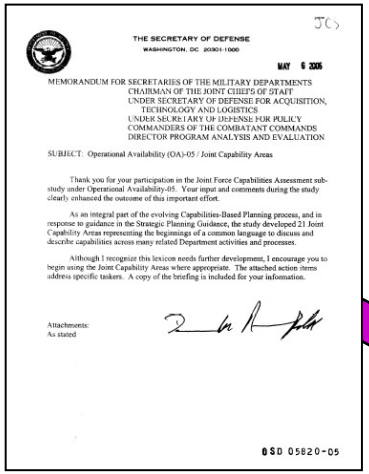
Aldridge Study

Dec 03

OSD asked for them…

Aldridge Study recommended them…

SecDef JCA Memo



THE SECRETARY OF DEFENSE
WASHINGTON, DC 20301-1000

MAY 6 2005

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARY OF DEFENSE FOR ACQUISITION, TECHNOLOGY AND LOGISTICS
UNDER SECRETARY OF DEFENSE FOR POLICY
COMMANDERS OF THE COMBATANT COMMANDS
DIRECTOR PROGRAM ANALYSIS AND EVALUATION

SUBJECT: Operational Availability (OA)-05 / Joint Capability Areas

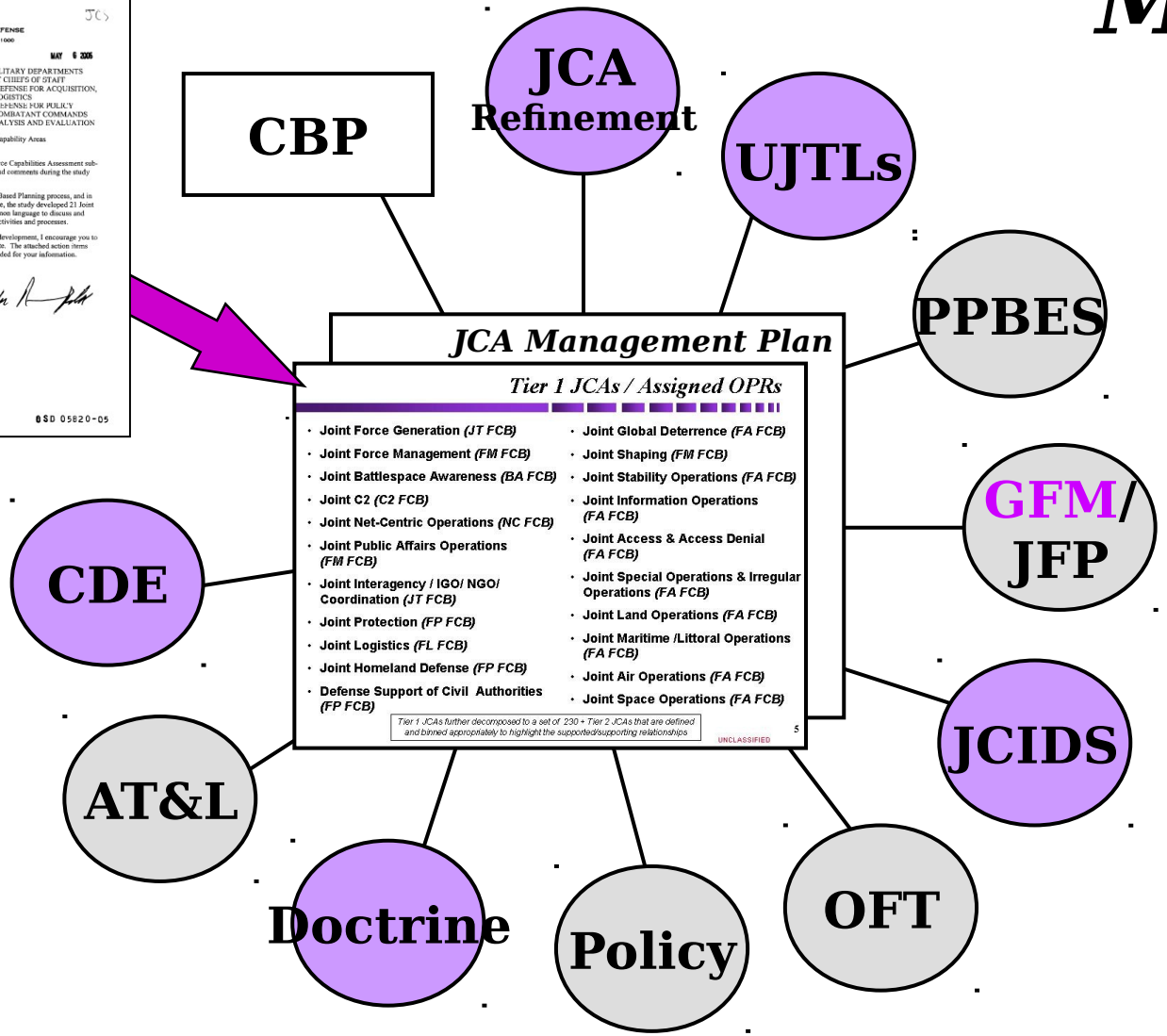
Thank you for your participation in the Joint Force Capabilities Assessment sub-study under Operational Availability-05. Your input and comments during the study clearly enhanced the outcome of this important effort.

As an integral part of the evolving Capabilities-Based Planning process, and in response to guidance in the Strategic Planning Guidance, the study developed 21 Joint Capability Areas representing the beginnings of a common language to discuss and describe capabilities across many related Department activities and processes.

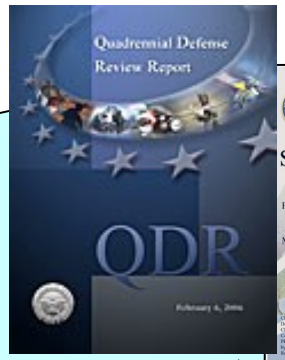
Although I recognize this lexicon needs further development, I encourage you to begin using the Joint Capability Areas where appropriate. The attached action items address specific tankers. A copy of the briefing is included for your information.

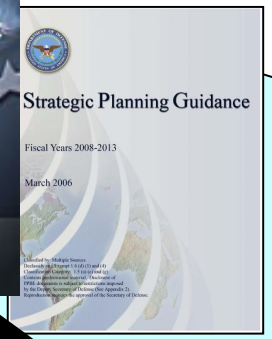
Attachments:
As stated

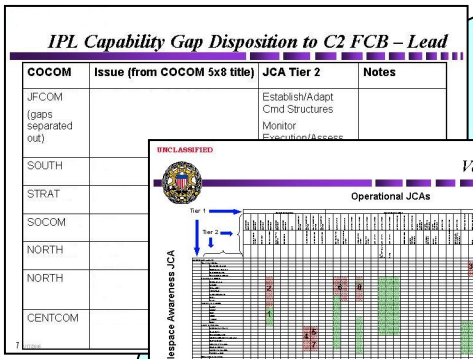
0SD 05820-05

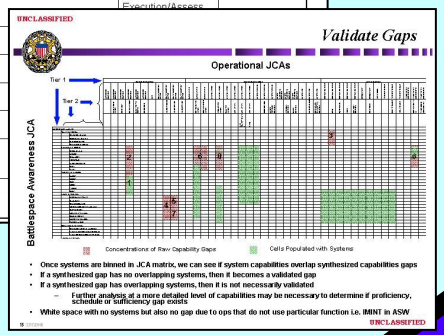

JCA Refinement
CBP
UJTLs
PPBES
JCA Management Plan
Tier 1 JCAs / Assigned OPRs
Joint Force Generation (JT FCB)
Joint Force Management (FM FCB)
Joint Battlespace Awareness (BA FCB)
Joint C2 (C2 FCB)
Joint Net-Centric Operations (NC FCB)
Joint Public Affairs Operations (FM FCB)
Joint Interagency / IGO/ NGO/ Coordination (JT FCB)
Joint Protection (FP FCB)
Joint Logistics (FL FCB)
Joint Homeland Defense (FP FCB)
Defense Support of Civil Authorities (FP FCB)
Joint Global Deterrence (FA FCB)
Joint Shaping (FM FCB)
Joint Stability Operations (FA FCB)
Joint Information Operations (FA FCB)
Joint Access & Access Denial (FA FCB)
Joint Special Operations & Irregular Operations (FA FCB)
Joint Land Operations (FA FCB)
Joint Maritime /Littoral Operations (FA FCB)
Joint Air Operations (FA FCB)
Joint Space Operations (FA FCB)
Tier 1 JCAs further decomposed to a set of ~30 + Tier 2 JCAs that are defined and binned appropriately to highlight the supported/supporting relationships
UNCLASSIFIED
5
GFM/ JFP
CDE
JCIDS
AT&L
Doctrine
Policy
OFT

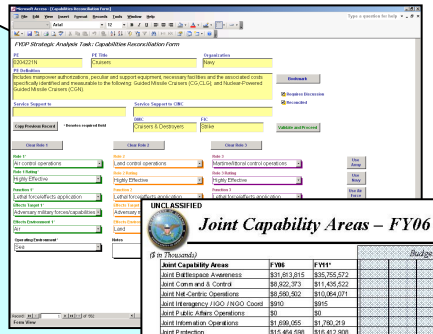
JCA Department-wide Applications

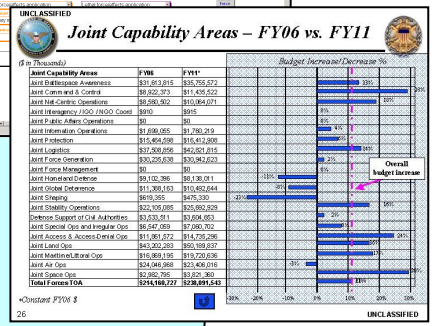







UNCLASSIFIED
Validate Gaps
Operational JCAs
Battlespace Awareness JCA
Concentrations of Raw Capability Gaps
Cells Populated with Systems
Once systems are binned in JCA matrix, we can see if system capabilities overlap synthesized capabilities gaps
If a synthesized gap has no overlapping systems, then it becomes a validated gap
If a synthesized gap has overlapping systems, then it is not necessarily validated
Further analysis at a more detailed level of capabilities may be necessary to determine if proficiency, schedule or sufficiency gap exists
White space with no systems but also no gap due to ops that do not use particular function i.e. IMINT in ASW
UNCLASSIFIED





Policy

PBBE

Requirements

CBP

JCAs

JCAs

Policy

Acquisition

Requirement

PPBE

Planning

JCAs

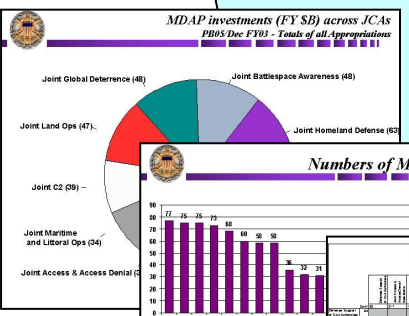
JCA

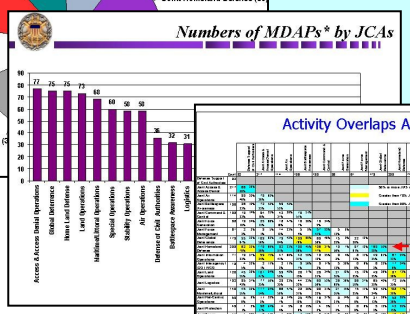
S

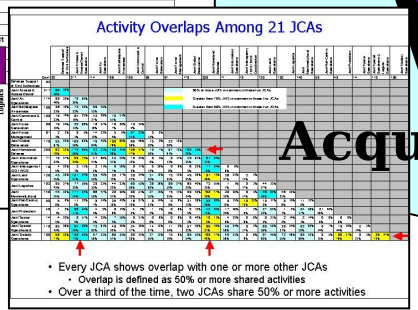
JCAs

JCAs

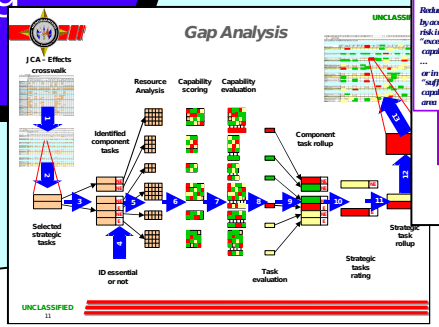
Planning

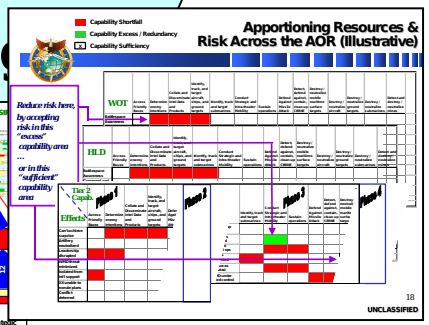

MDAP investments (FY 5B) across JCAs
PB05/Dec FY03 - Totals of all Appropriations
Joint Global Deterrence (48)
Joint Battlespace Awareness (48)
Joint Land Ops (47)
Joint Homeland Defense (63)
Joint C2 (39)
Joint Maritime and Littoral Ops (34)
Joint Access & Access Denial (3




Activity Overlaps Among 21 JCAs
Every JCA shows overlap with one or more other JCAs
Overlap is defined as 50% or more shared activities
Over a third of the time, two JCAs share 50% or more activities

Acquisition



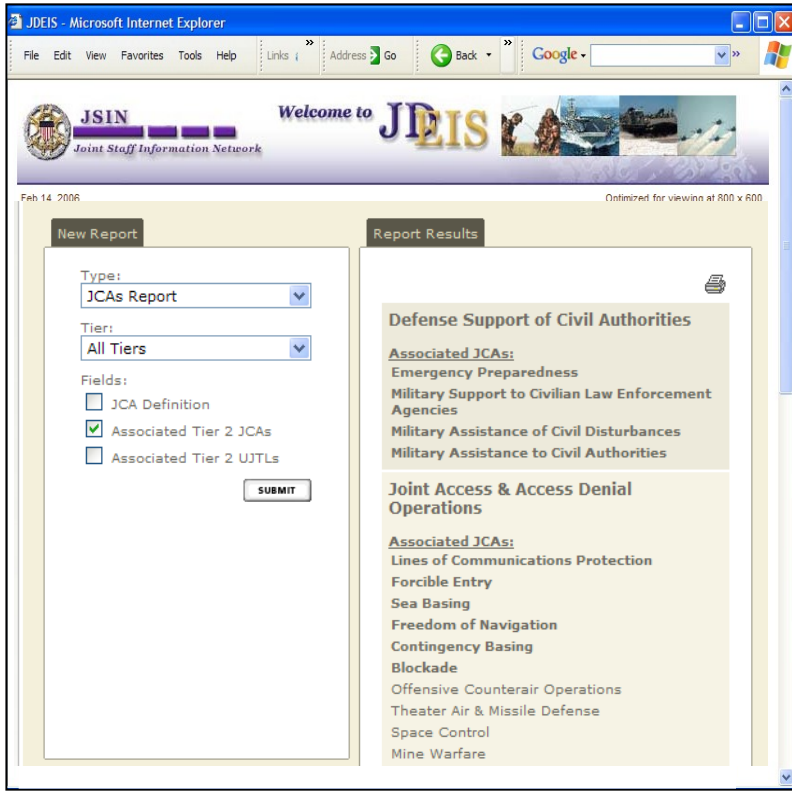


Progress on SECDEF Taskings

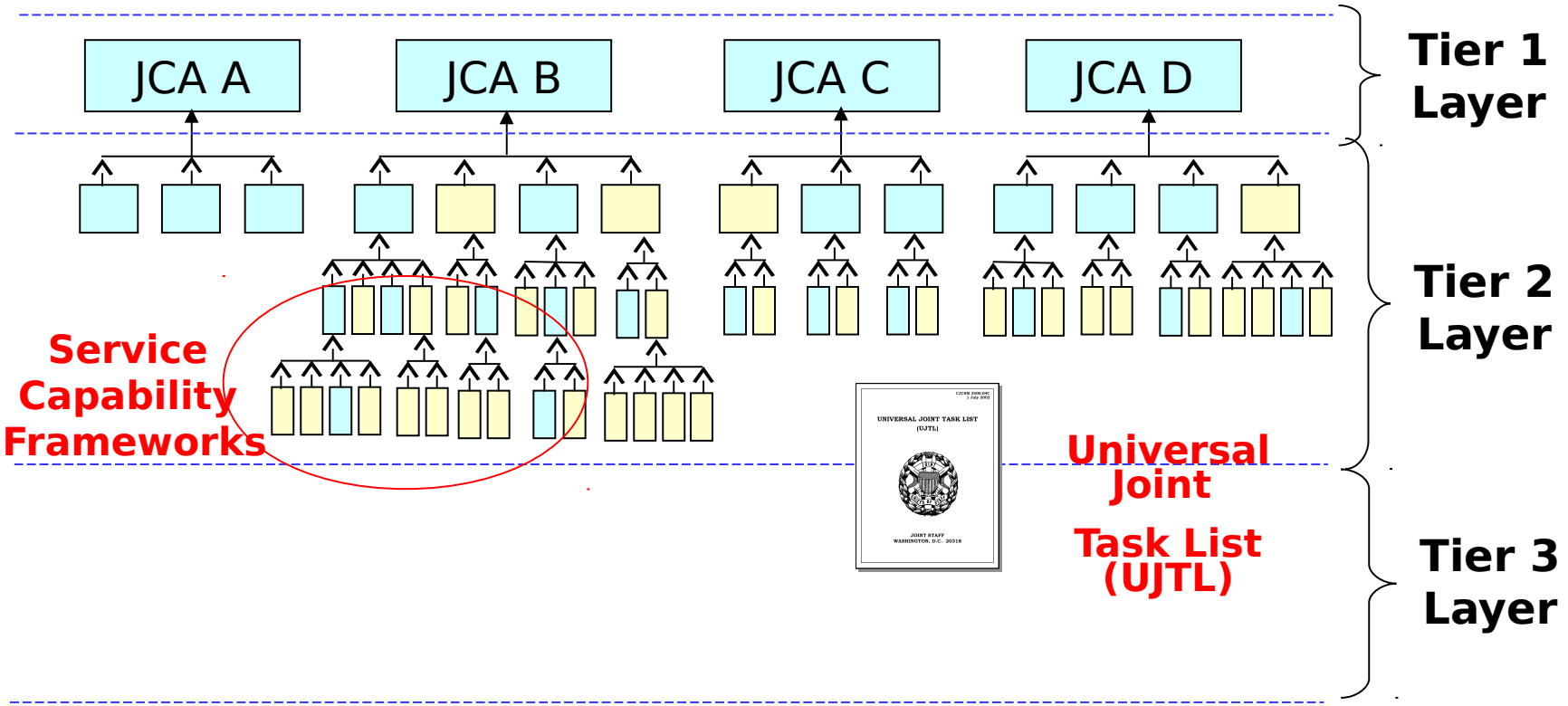
- CJCS in coordination with USJFCOM - Integrate the capabilities lexicon into the future Universal Joint Task List (UJTL)

JCA / UJTL one-year mapping plan includes:

- Mapping Phase I complete – initial "one-to-one" mapping of tasks to JCAs – Completed Nov 05
- UJTL Working Party 25-27 Apr 06 to address issues
- Mapping Phase II in progress – Mission Analysis of JCAs and Tasks to determine what tasks support which JCAs (one-to-many) – Estimate completion in Sep 06



JCA – UJTL Mapping



JCA A — Current Tier 1 JCA

Current Tier 2 JCA

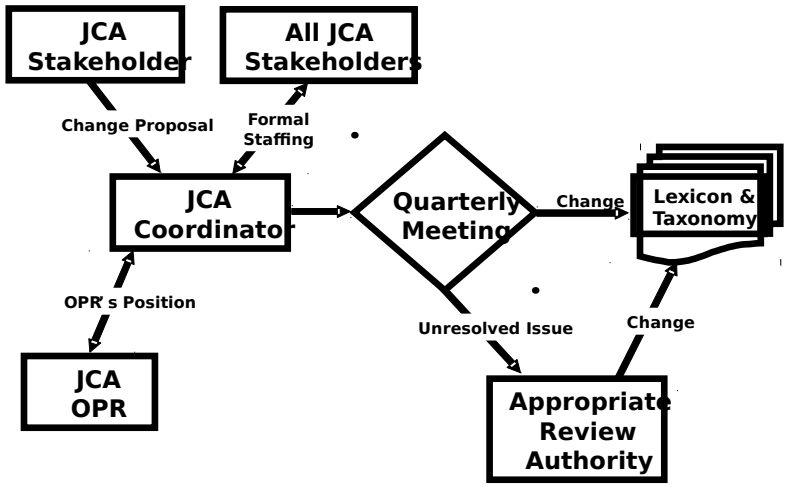
Where we are now

Tier 2, 3, 4, etc. JCAs yet to be identified

Work still to be done

Progress on SECDEF Taskings

- **Implement the JCAs (Tier 1) as the top level in the evolving capabilities lexicon. Establish a subsequent date (NLT March 2006) for formal review after sufficient use**
- **Refine Tier 2 layer of capabilities lexicon as required to provide sufficient detail to enhance usefulness**
  - **Aug 05 GO/FO CRC**
    - **417 comments**
  - **Apr 06 GO/FO reviewed refinem**
    - **405 comments**
  - **7 unresolved issues**



- **Common threads**
  - **Need Department level JCA implementation plan**
  - **JCAMP needs refinement to enhance JCAs' usefulness**

Joint Capability Areas Tier 1 / 2

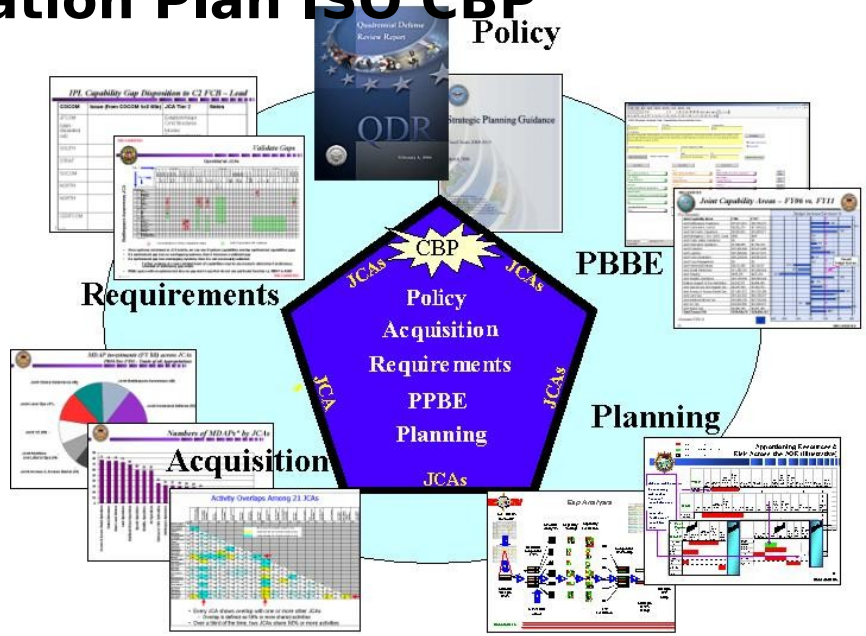
- **Joint Force Generation** – Man, Equip, Organize, Develop Skills
- **Joint Force Management** – Global Posture, Global Force Management, Planning, Future Capability Identification
- **Joint Battlespace Awareness** – Planning and Direction, Observation and Collection, Processing and Exploitation, Analysis and Production, Dissemination and Integration, Evaluation and Feedback
- **Joint C2** – Exercise Command Leadership, Establish/Adapt Command Structures & Enable both Global & Regional Collaboration, Develop & Maintain Shared Situational Awareness and Understanding, Communicate Commander's Intent and Guidance, Operational Planning, Synchronize Execution Across all Domains, Monitor Execution, Assess Effects and Adapt Ops, Leverage Mission Partners
- **Joint Net-Centric Operations** – Information Transport, Network Management, Enterprise Services, Info Assurance, Knowledge Management, Applications
- **Joint Public Affairs Operations** – Public Affairs Op Planning, Public Info, Command / Internal Information, Community Relations
- **Joint Interagency / IGO / MN / NGO Coordination** – US Gov't Interagency Integration, Intergovernmental Organization Coordination, Nongovernmental Organization Coordination, Multinational Coordination
- **Joint Protection** – Conventional Weapons Threat, Terrorist Threat, WMD Threat, Protection from Exploitation, Personnel Recovery
- **Joint Logistics** – Joint Deployment/Rapid Distribution, Agile Sustainment, Op Engineering, Force Health Protection, Joint Theater Logistics, Logistics Information Fusion, Multinational Logistics
- **Defense Support of Civil Authorities** – Mil Assist of Civil Disturbance, Mil Assist to Civil Authorities, Mil Support to Civilian Law Enforcement Agencies, Emergency Preparedness

Joint Capability Areas Tier 1 / 2

- **Joint Homeland Defense**- Air and Space Defense, Land Defense, Maritime Defense, Critical Infrastructure Protection
- **Joint Global Deterrence** – Global Strike, Force Projection, Responsive Infrastructure, Inducements
- **Joint Shaping** – Military Diplomacy, Presence, Security Cooperation, Defense Support to Public Diplomacy, Strategic Communication
- **Joint Stability Operations: Military Support for Stability, Security, Transition, & Reconstruction** – Humanitarian Assistance, Reconstruction, Security
- **Joint Information Operations** – Electronic Warfare, Computer Network Operations, Operations Security, Military Deception
- **Joint Access & Access Denial** – Forcible Entry, LOC Protection, Contingency Basing, Seabasing, Freedom of Navigation, Counter Operational Mobility
- **Joint Special Operations & Irregular Warfare** – Special Operations, Irregular Warfare
- **Joint Land Operations** – Conduct Op Movement and Maneuver, Provide and Employ Joint Fires, Conduct Decisive Maneuver, Control Territory Populations & Resources
- **Joint Maritime /Littoral Operations** – Surface Warfare, Undersea Warfare, Maritime Interdiction, Maritime/Littoral Expeditionary ops, Maritime/Littoral Fires, Ocean/Hydro/River Survey & Support Ops
- **Joint Air Operations** – Offensive Counterair Ops, Strategic Attack, Air Interdiction, Tactical Air Support
- **Joint Space Operations** – Space Control, Space Force Application

Way Forward Recommendations

- Use SECDEF progress report as catalyst to obtain Strategic Guidance
- Develop holistic JCA Implementation Plan ISO CBP institutionalization
  - Charter appropriate authors
    - OSD Led
    - JS Led
    - Co-Chairs
  - Clarify JCA / CBP relationship
  - Focus initially on 4 test cases
  - Determine TOA coverage



- Revise JCA Management Plan
  - Build upon JCA Implementation Plan
  - Define and develop supporting JCA Tier structure
- Approve resolved JCA Tier 1 / 2 Taxonomy and Lexicon change recommendations

BACK UP SLIDES

JCA Definitions

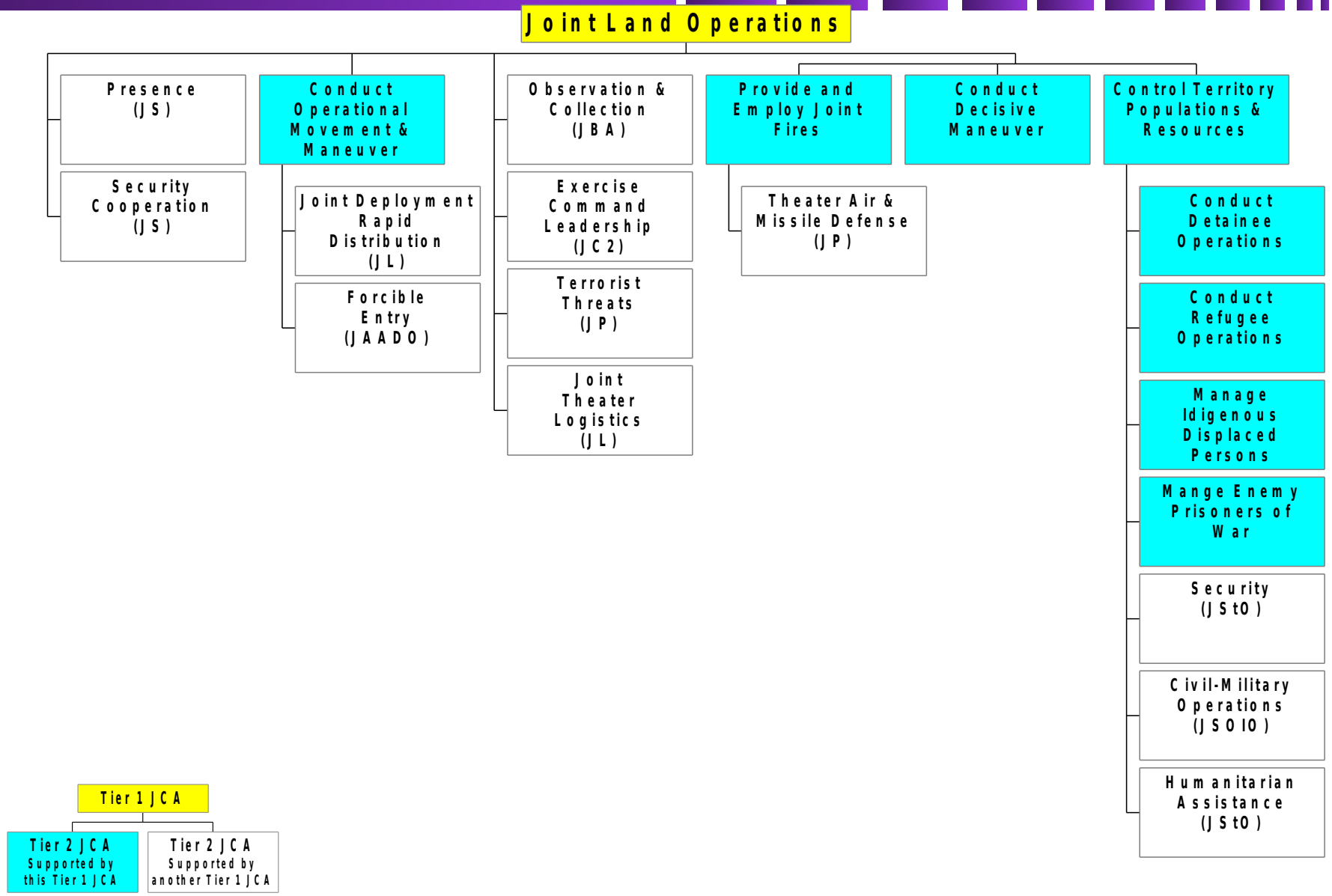
A Tier 1 JCA is a high-level capability category that facilitates capabilities-based planning, major trade analysis and decision-making. Tier 1 JCAs are composed of functional, operational, domain, and institutional based joint capabilities…

A Tier 2 JCA is a more specific capability category within a parent Tier 1 JCA. Tier 2 JCAs provide sufficient definition to enable the identification of required capabilities…

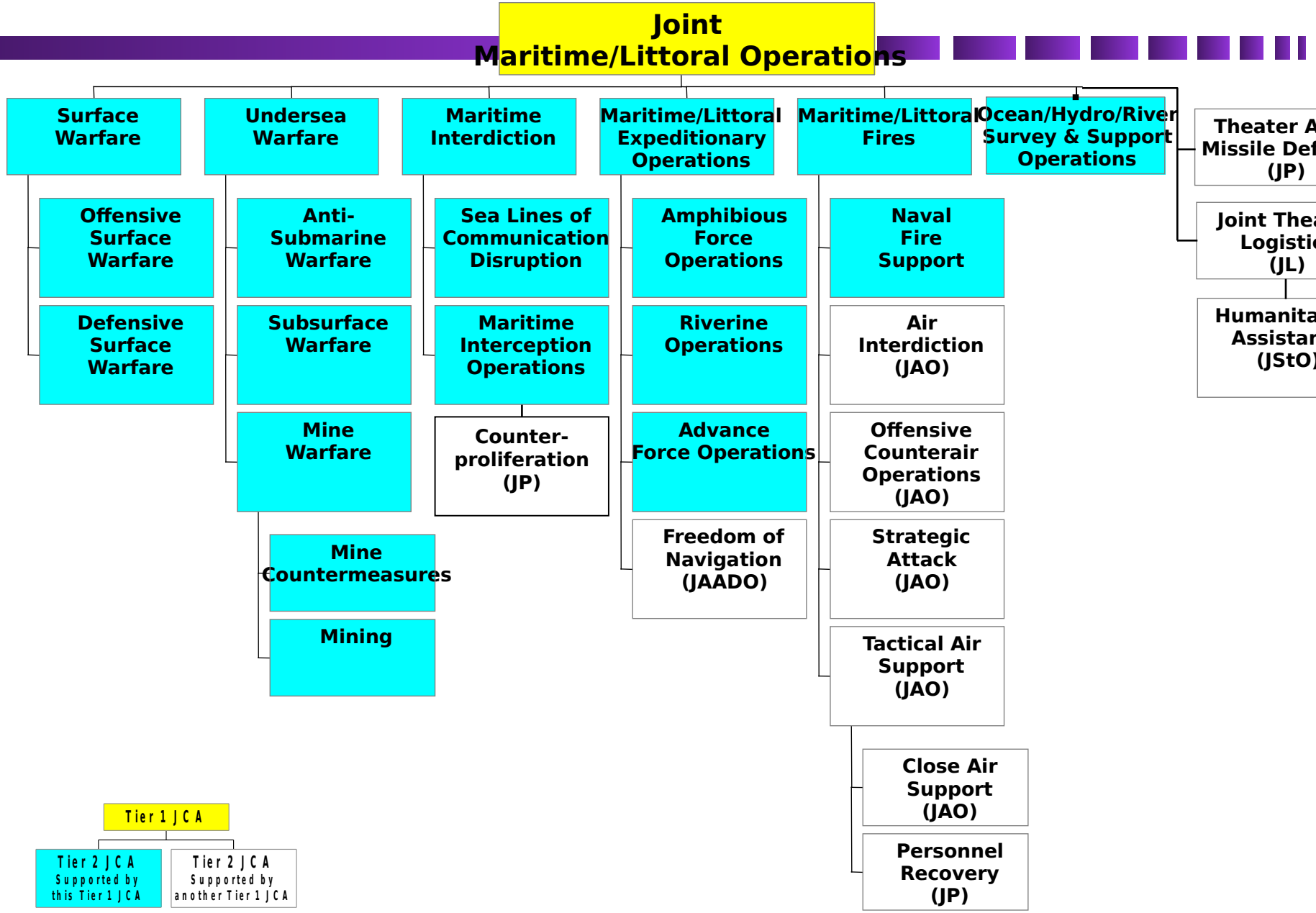
Source: Draft Joint Capability Area Management Plan (JCAMP) 12 Dec 2005

Joint Capability Areas
Tier 1 & Tier 2
Proposed Taxonomy

3 Apr 2006

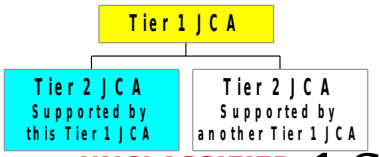

Joint Land Operations
Presence (JS)
Security Cooperation (JS)
Conduct Operational Movement & Maneuver
Joint Deployment Rapid Distribution (JL)
Forcible Entry (JAADO)
Observation & Collection (JBA)
Exercise Command Leadership (JC2)
Terrorist Threats (JP)
Joint Theater Logistics (JL)
Provide and Employ Joint Fires
Theater Air & Missile Defense (JP)
Conduct Decisive Maneuver
Control Territory Populations & Resources
Conduct Detainee Operations
Conduct Refugee Operations
Manage Idigenous Displaced Persons
Mange Enemy Prisoners of War
Security (JSTO)
Civil-Military Operations (JSOIO)
Humanitarian Assistance (JSTO)
Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA

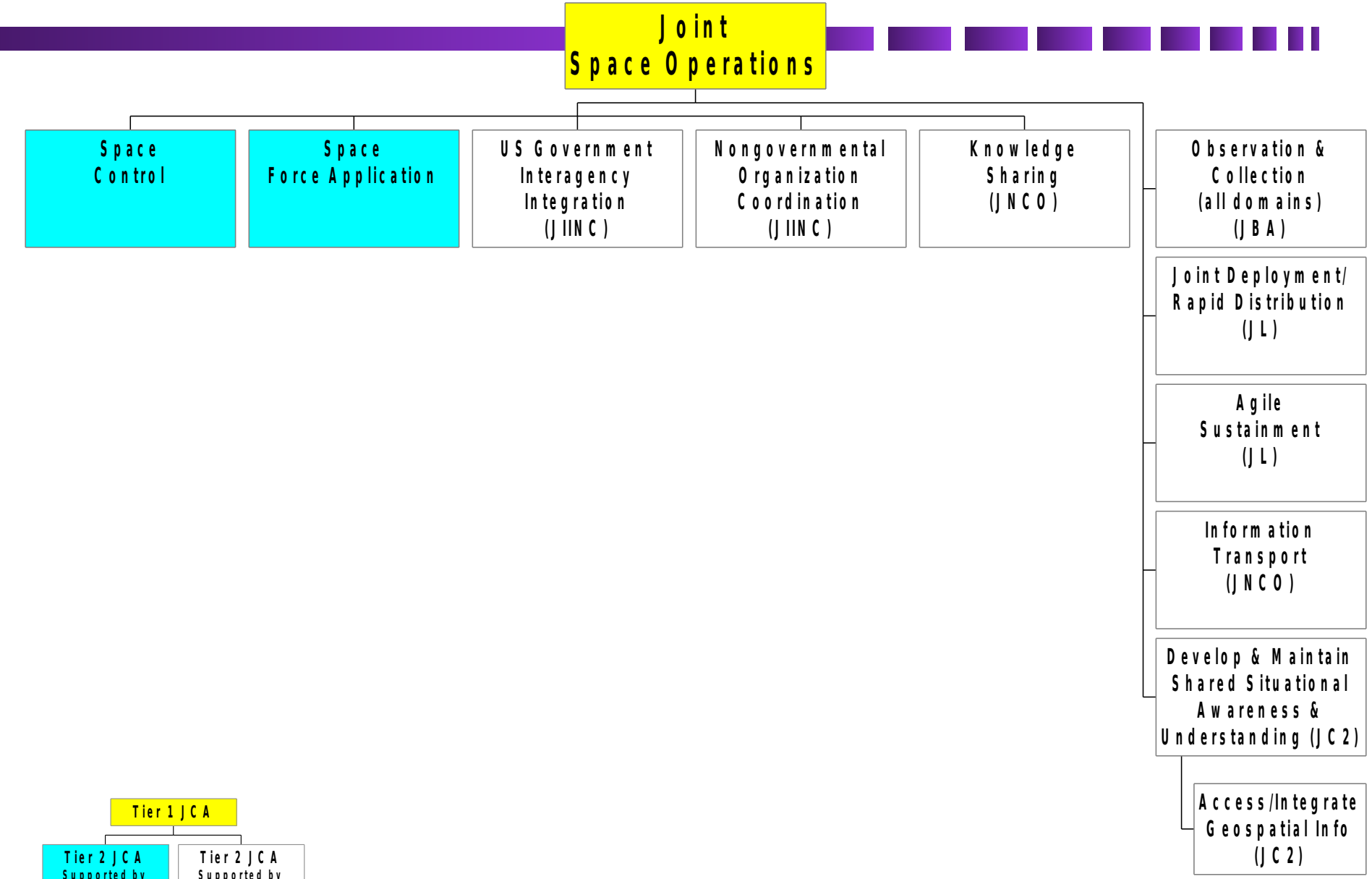
Joint Maritime/Littoral Operations

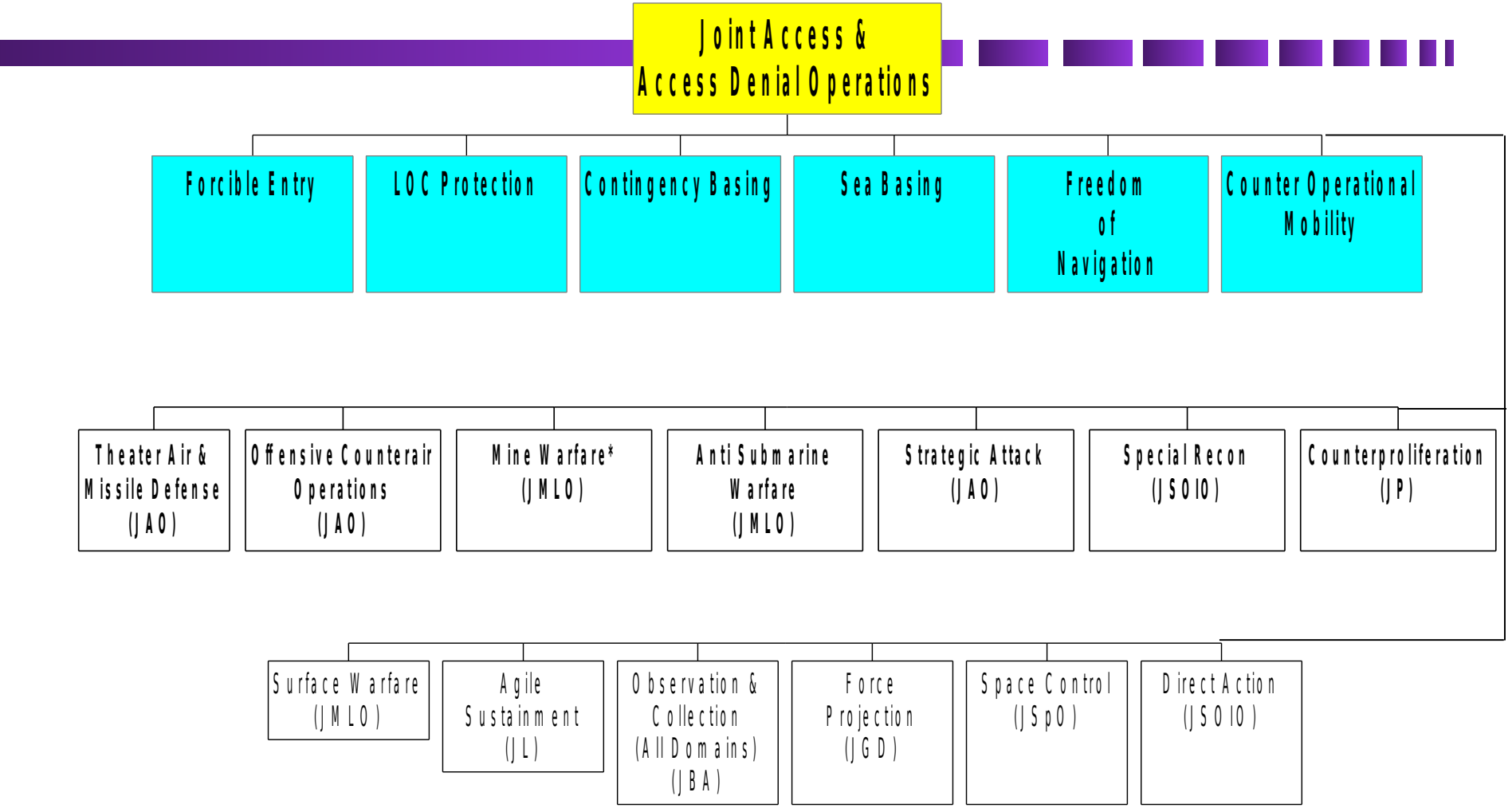


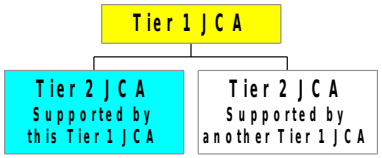
Joint Air Operations

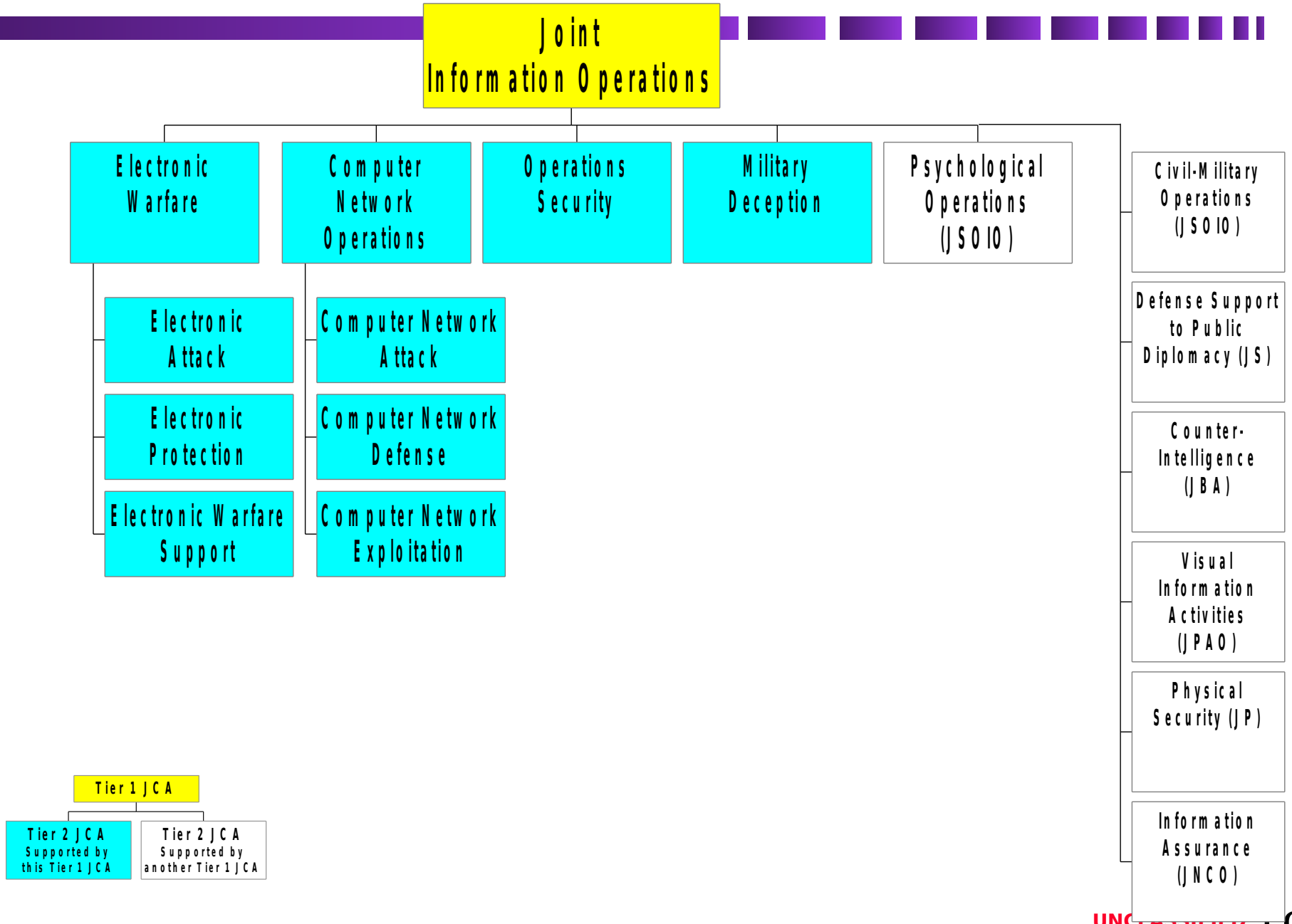
- Offensive Counterair Operations
  - Suppression of Enemy Air Defenses
  - Offensive Counterair Sweep
  - Escort
  - Offensive Counter Air Attack Operations
- Strategic Attack
  - Nuclear, Kinetic (JGD)
  - Conventional, Kinetic
- Air Interdiction
- Tactical Air Support
  - Close Air Support
  - Assault Support
  - Personnel Recovery (JP)
- Integrated Air & Missile Defense (JP)
  - Defensive Counter-air Operations (JP)
  - Theater Ballistic Missile Defense (JP)
- Agile Sustainment (JL)
- Joint Deployment/ Rapid Distribution (JL)
- Observation & Collection (all domains) (JBA)

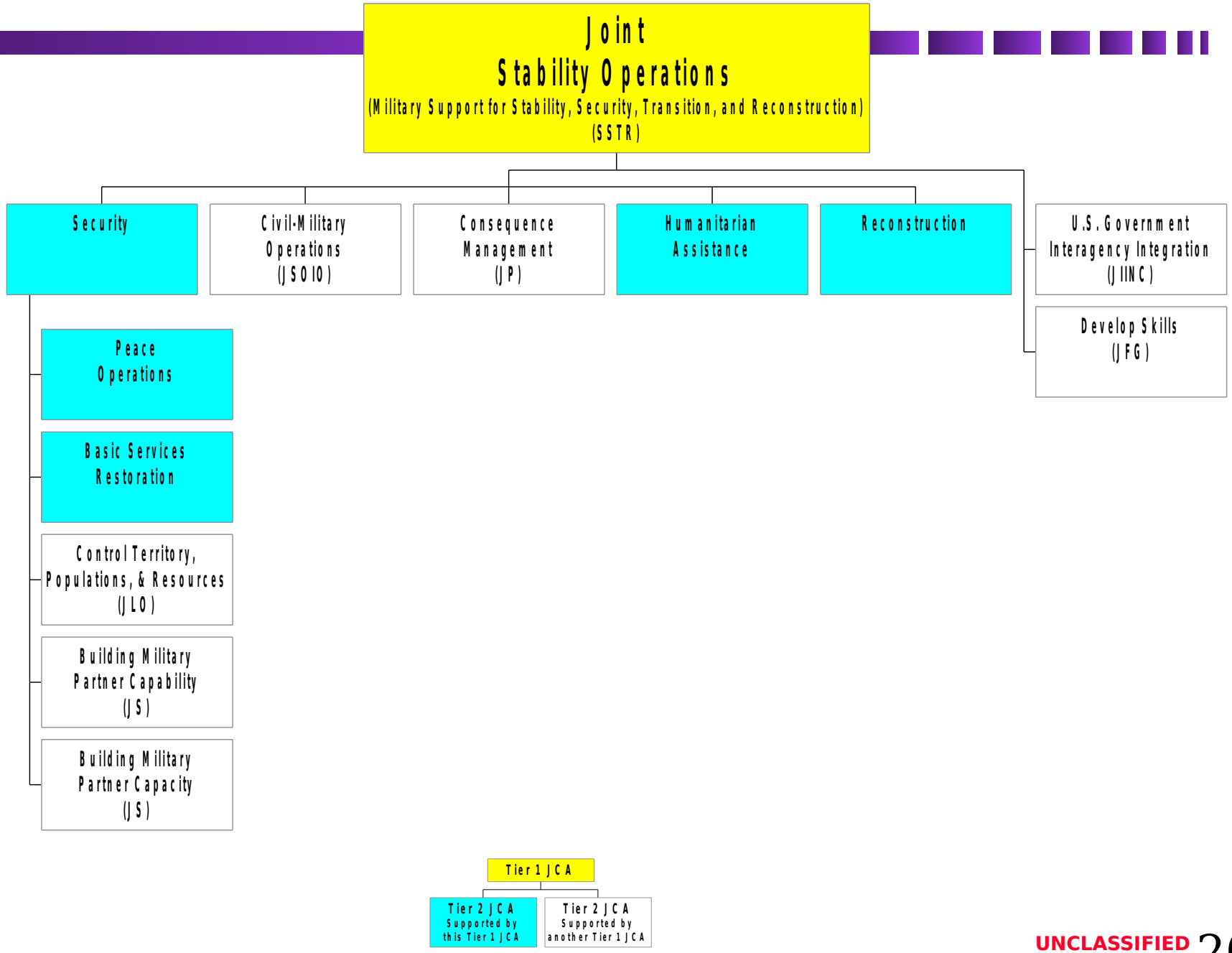


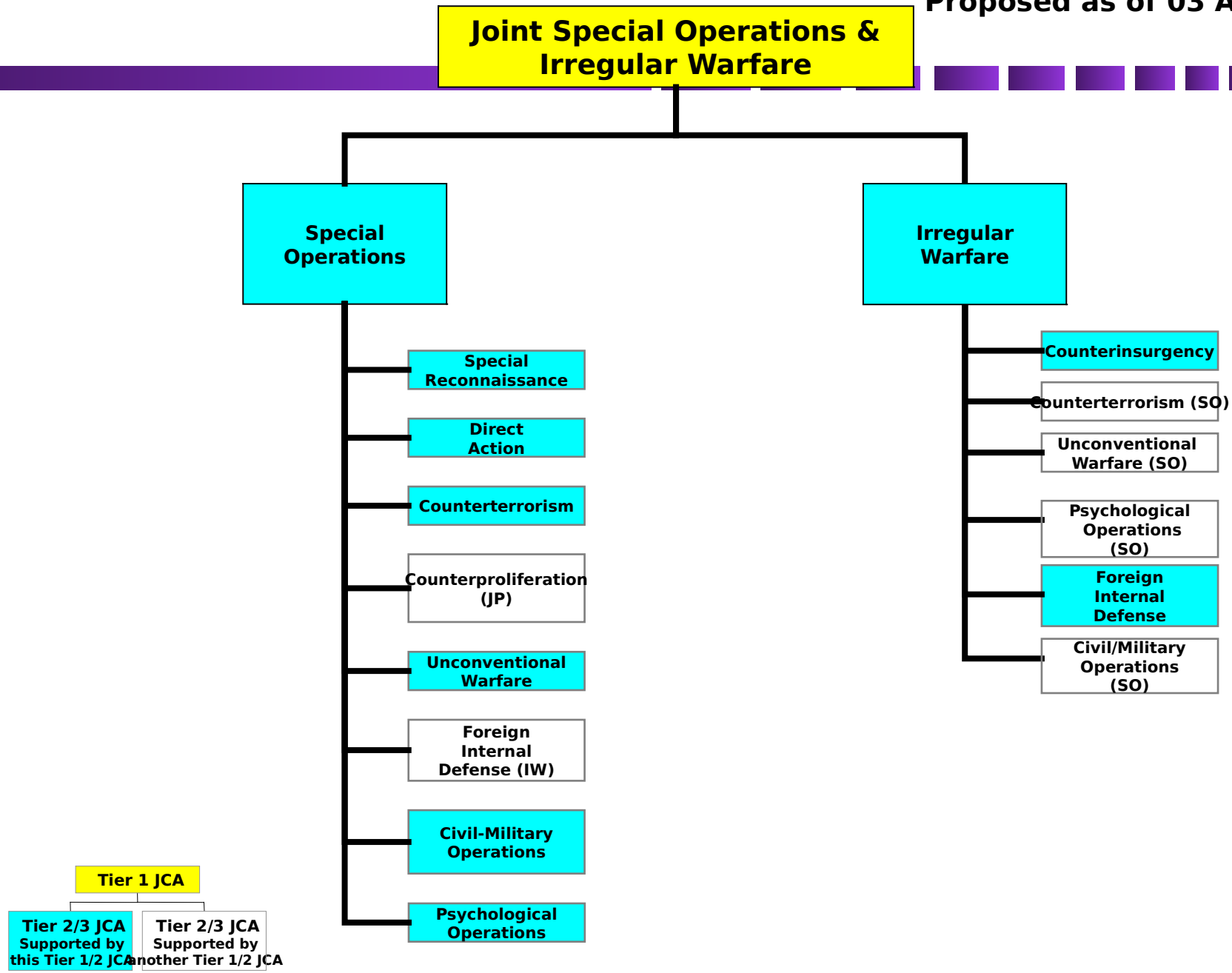

Joint
Space Operations
Space
Control
Space
Force Application
US Government
Interagency
Integration
(JIINC)
Nongovernmental
Organization
Coordination
(JIINC)
Knowledge
Sharing
(JNCO)
Observation &
Collection
(all domains)
(JBA)
Joint Deployment/
Rapid Distribution
(JL)
Agile
Sustainment
(JL)
Information
Transport
(JNCO)
Develop & Maintain
Shared Situational
Awareness &
Understanding (JC2)
Access/Integrate
Geospatial Info
(JC2)
Tier 1 JCA
Tier 2 JCA
Supported by
this Tier 1 JCA
Tier 2 JCA
Supported by
another Tier 1 JCA


Joint Access & Access Denial Operations
Forcible Entry
LOC Protection
Contingency Basing
Sea Basing
Freedom of Navigation
Counter Operational Mobility
Theater Air & Missile Defense (JAO)
Offensive Counterair Operations (JAO)
Mine Warfare* (JMLO)
Anti Submarine Warfare (JMLO)
Strategic Attack (JAO)
Special Recon (JSOIO)
Counterproliferation (JP)
Surface Warfare (JMLO)
Agile Sustainment (JL)
Observation & Collection (All Domains) (JBA)
Force Projection (JGD)
Space Control (JSpO)
Direct Action (JSOIO)


Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA


Joint Information Operations
Electronic Warfare
Computer Network Operations
Operations Security
Military Deception
Psychological Operations (JSOIO)
Electronic Attack
Electronic Protection
Electronic Warfare Support
Computer Network Attack
Computer Network Defense
Computer Network Exploitation
Civil-Military Operations (JSOIO)
Defense Support to Public Diplomacy (JS)
Counter-Intelligence (JBA)
Visual Information Activities (JPAO)
Physical Security (JP)
Information Assurance (JNCO)
Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA


Joint
Stability Operations
(Military Support for Stability, Security, Transition, and Reconstruction)
(SSTR)
Security
Civil-Military
Operations
(JSOIO)
Consequence
Management
(JP)
Humanitarian
Assistance
Reconstruction
U.S. Government
Interagency Integration
(JIINC)
Develop Skills
(JFG)
Peace
Operations
Basic Services
Restoration
Control Territory,
Populations, & Resources
(JLO)
Building Military
Partner Capability
(JS)
Building Military
Partner Capacity
(JS)
Tier 1 JCA
Tier 2 JCA
Supported by
this Tier 1 JCA
Tier 2 JCA
Supported by
another Tier 1 JCA


Joint Special Operations & Irregular Warfare
Special Operations
Special Reconnaissance
Direct Action
Counterterrorism
Counterproliferation (JP)
Unconventional Warfare
Foreign Internal Defense (IW)
Civil-Military Operations
Psychological Operations
Irregular Warfare
Counterinsurgency
Counterterrorism (SO)
Unconventional Warfare (SO)
Psychological Operations (SO)
Foreign Internal Defense
Civil/Military Operations (SO)
Tier 1 JCA
Tier 2/3 JCA Supported by this Tier 1/2 JCA
Tier 2/3 JCA Supported by another Tier 1/2 JCA

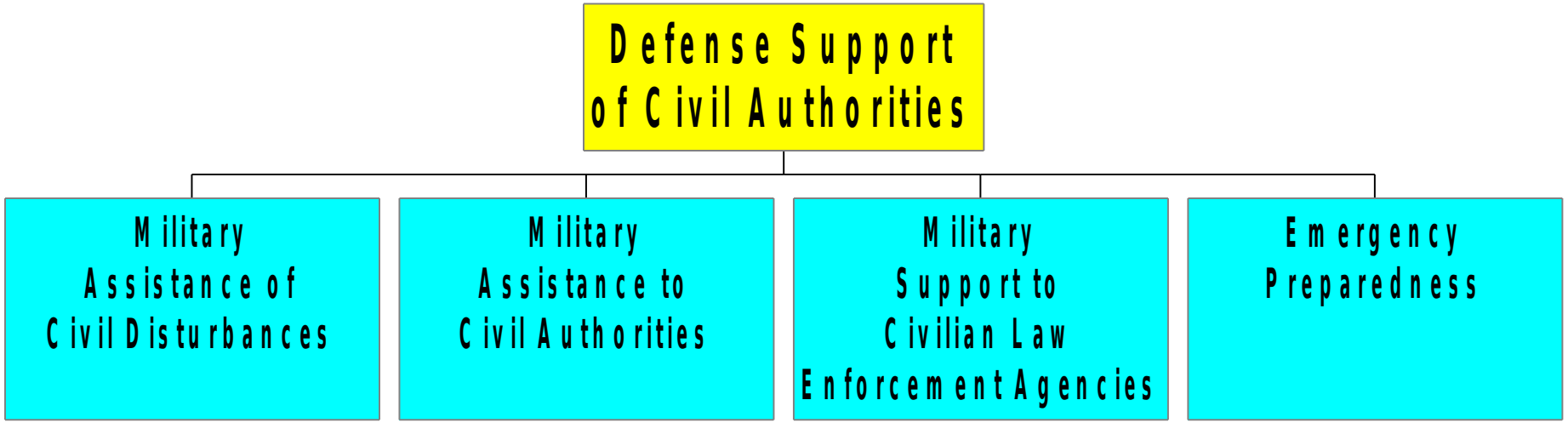
Joint Global Deterrence

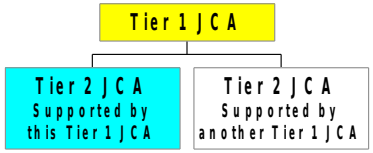
- **Global Strike**
  - Nuclear, Kinetic
  - Conventional, Kinetic (JAO)
  - Non-Kinetic
  - Agile Sustainment (JL)
- **Global Defense (JP)**
  - Global Missile Defense Ops (JP)
  - Computer Network Defense (JInO)
  - Space Control (JSpO)
- **Responsive Infrastructure**
- **Force Projection**
  - Global Posture (JFM)
  - Joint Deployment/ Rapid Distribution (JL)
- **Security Cooperation (JS)**
- **Inducements**
  - Non proliferation (JP)
  - Counter proliferation (JP)
- **Presence (JS)**
  - Strategic Info. Engagement (JS)
  - Develop/Maintain Shared Sit. Aware. Understanding (JC2)
  - Space Force Application (JSO)

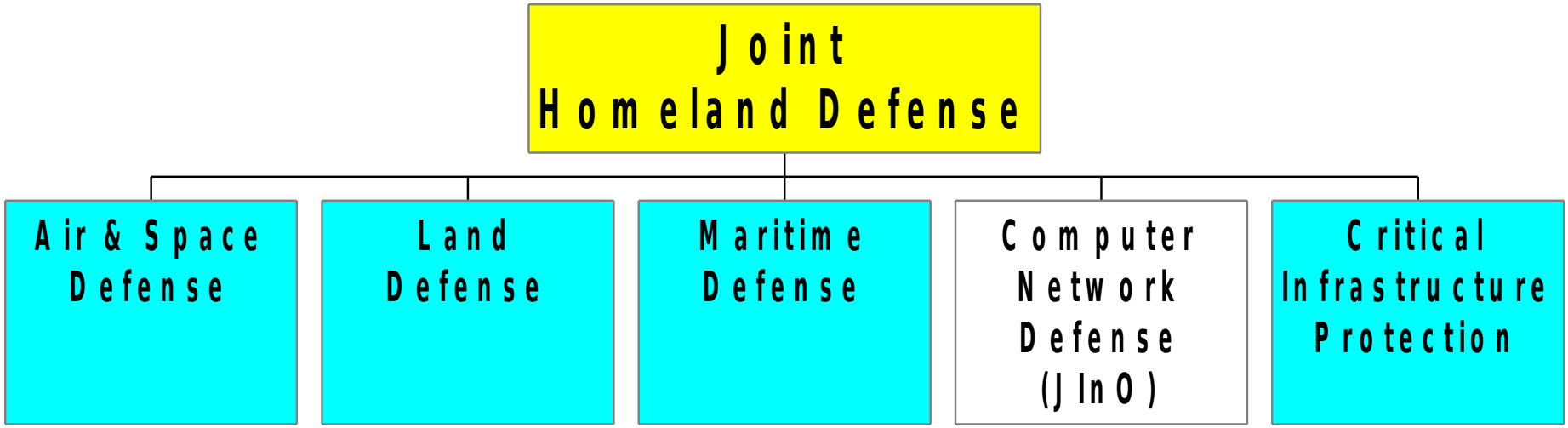
Tier 1 JCA

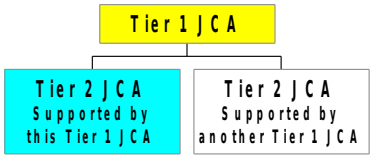
Tier 2 JCA Supported by this Tier 1 JCA

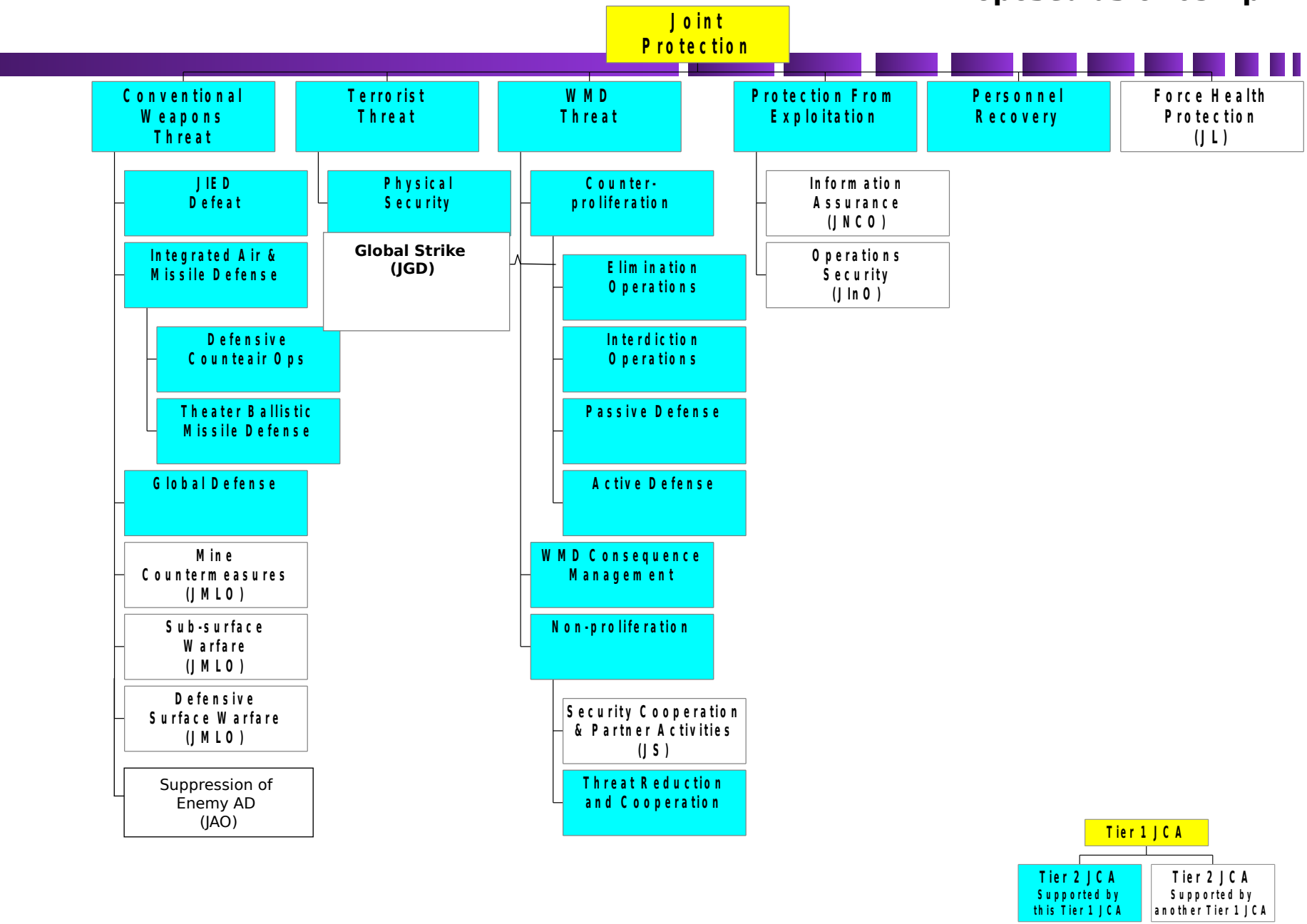
Tier 2 JCA Supported by another Tier 1 JCA

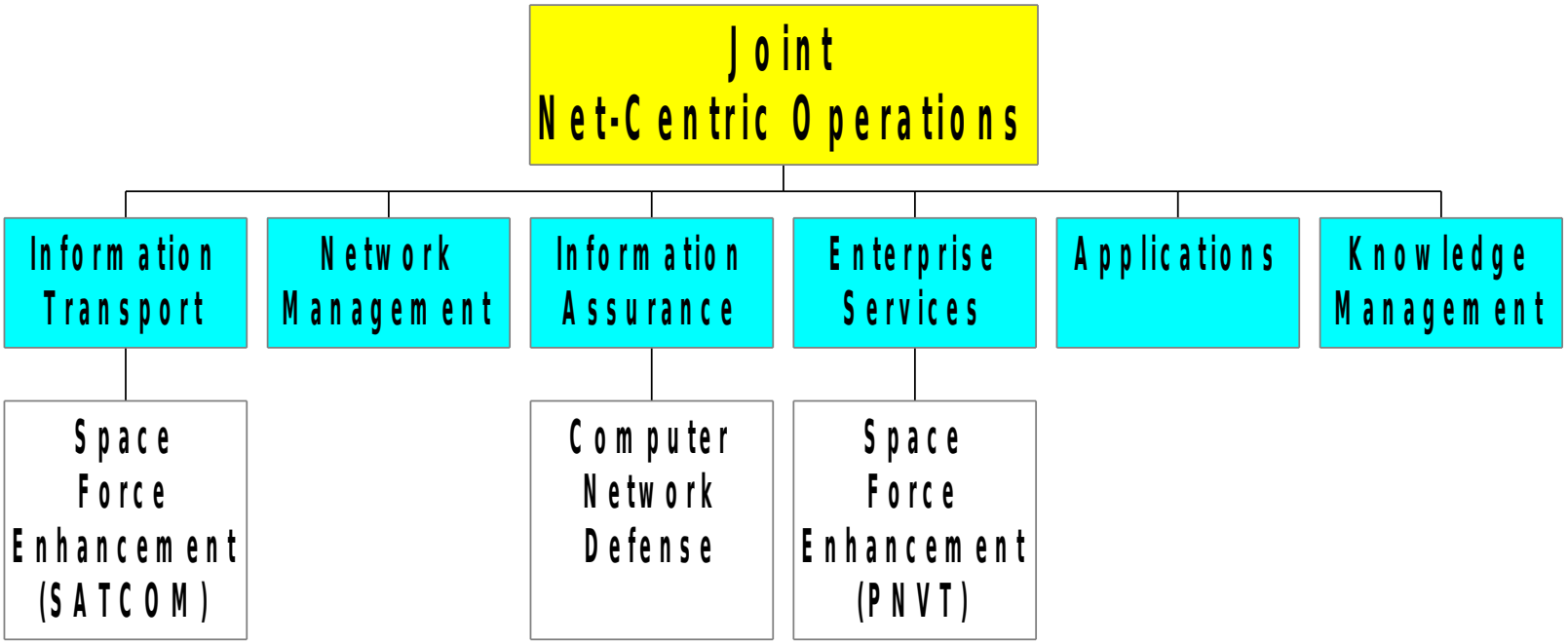

Defense Support of Civil Authorities
Military Assistance of Civil Disturbances
Military Assistance to Civil Authorities
Military Support to Civilian Law Enforcement Agencies
Emergency Preparedness

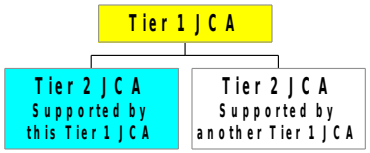

Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA

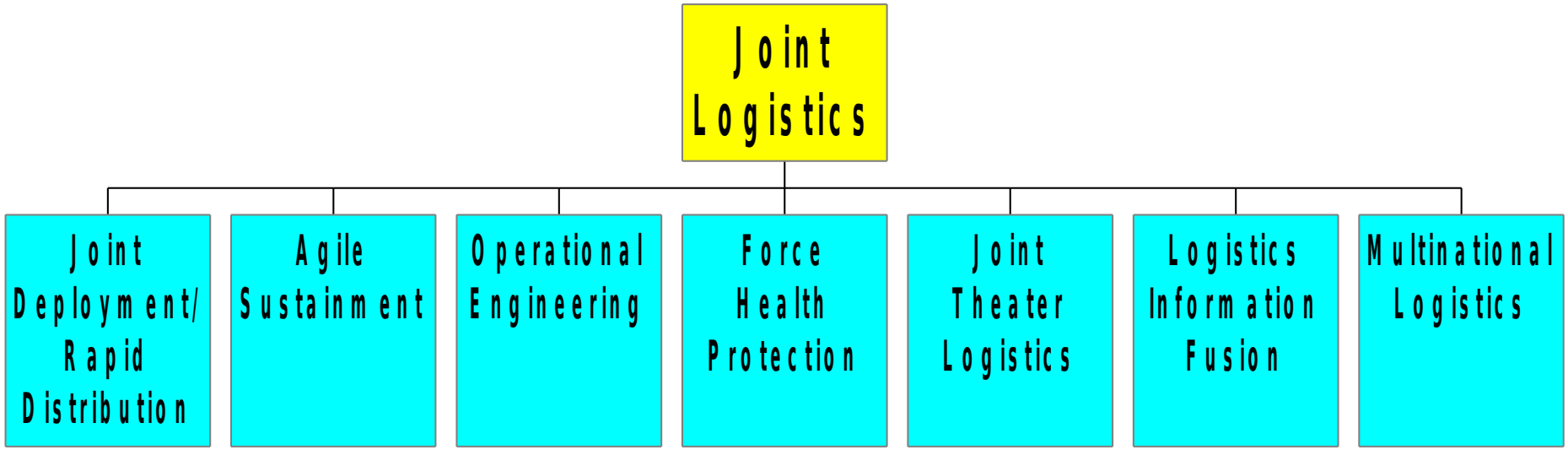

Joint Homeland Defense
Air & Space Defense
Land Defense
Maritime Defense
Computer Network Defense (JInO)
Critical Infrastructure Protection

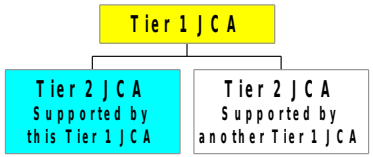

Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA

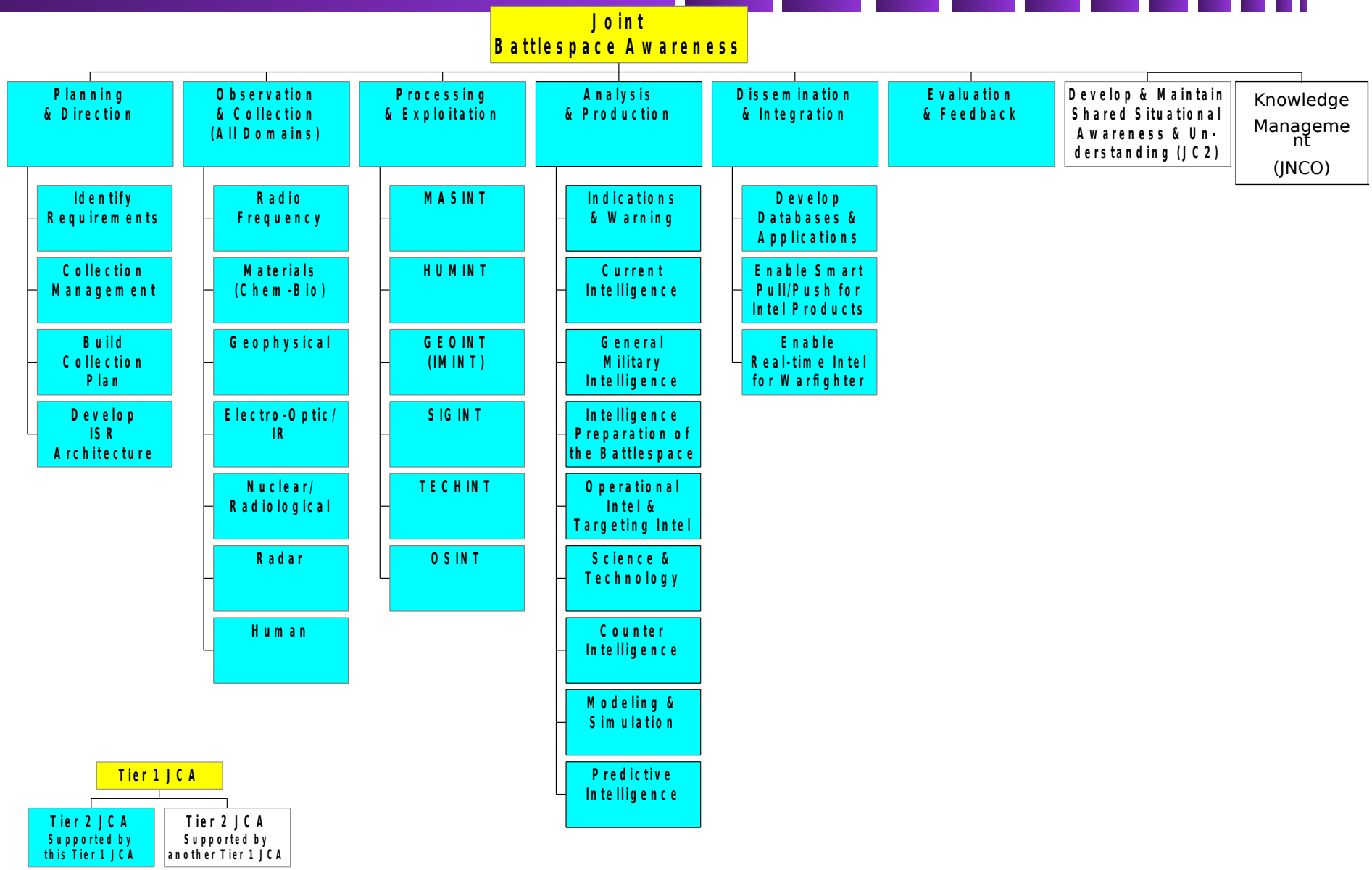

Joint Protection
Conventional Weapons Threat
Terrorist Threat
WMD Threat
Protection From Exploitation
Personnel Recovery
Force Health Protection (JL)
JIED Defeat
Integrated Air & Missile Defense
Defensive Counterair Ops
Theater Ballistic Missile Defense
Global Defense
Mine Countermeasures (JMLO)
Sub-surface Warfare (JMLO)
Defensive Surface Warfare (JMLO)
Suppression of Enemy AD (JAO)
Physical Security
Global Strike (JGD)
Counter-proliferation
Elimination Operations
Interdiction Operations
Passive Defense
Active Defense
WMD Consequence Management
Non-proliferation
Security Cooperation & Partner Activities (JS)
Threat Reduction and Cooperation
Information Assurance (JNCO)
Operations Security (JInO)
Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA

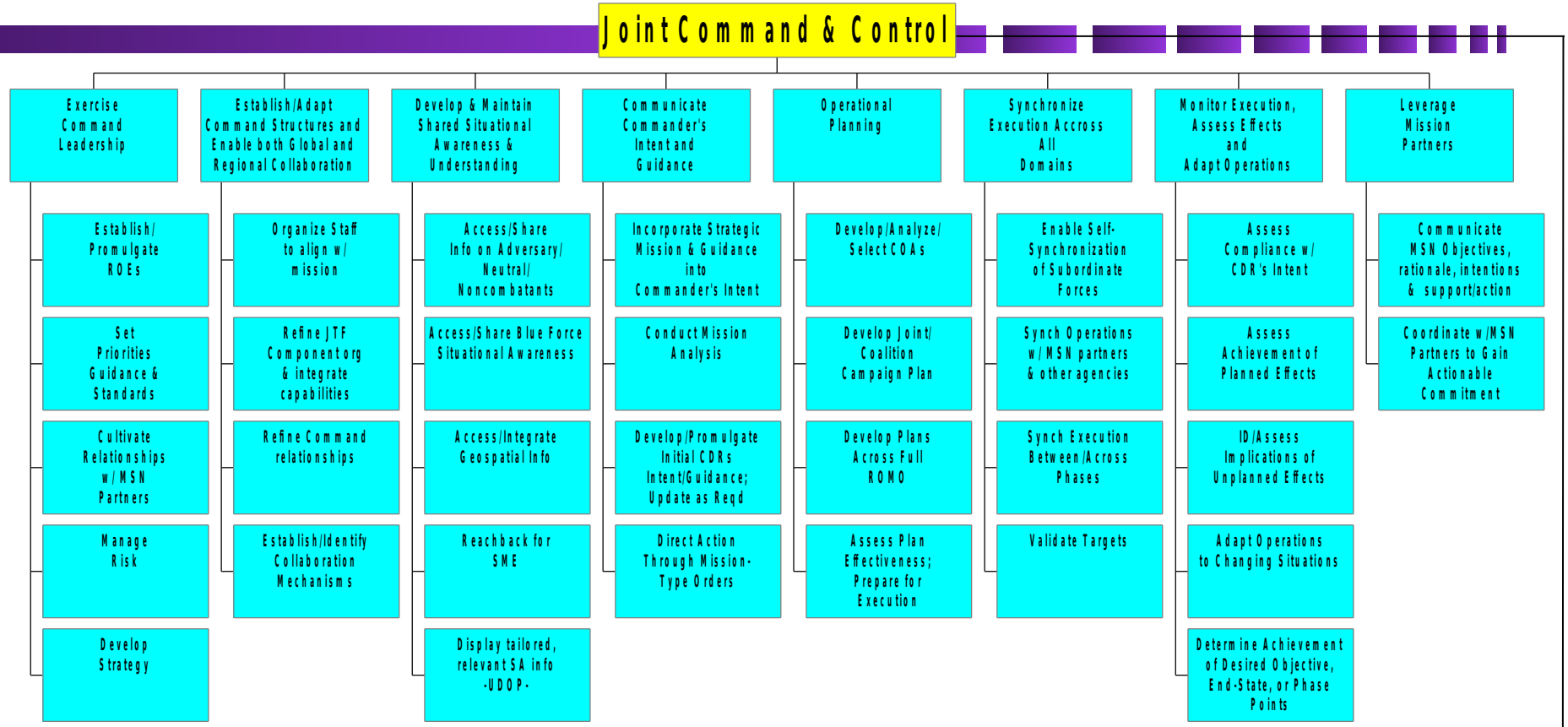

Joint
Net-Centric Operations
Information Transport
Network Management
Information Assurance
Enterprise Services
Applications
Knowledge Management
Space Force Enhancement (SATCOM)
Computer Network Defense
Space Force Enhancement (PNVT)

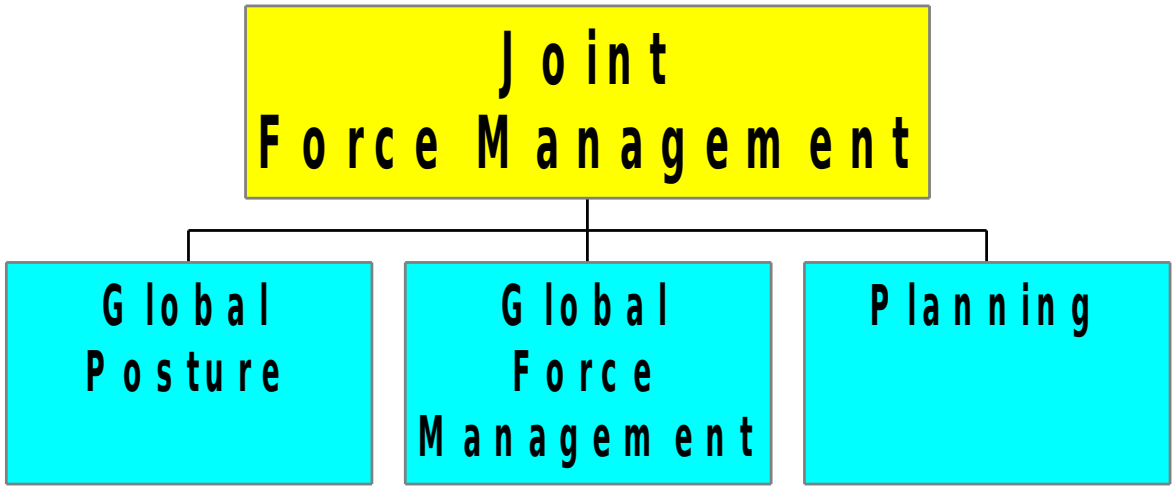

Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA

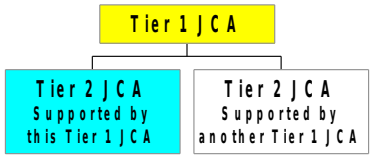

Joint Logistics
Joint Deployment/ Rapid Distribution
Agile Sustainment
Operational Engineering
Force Health Protection
Joint Theater Logistics
Logistics Information Fusion
Multinational Logistics

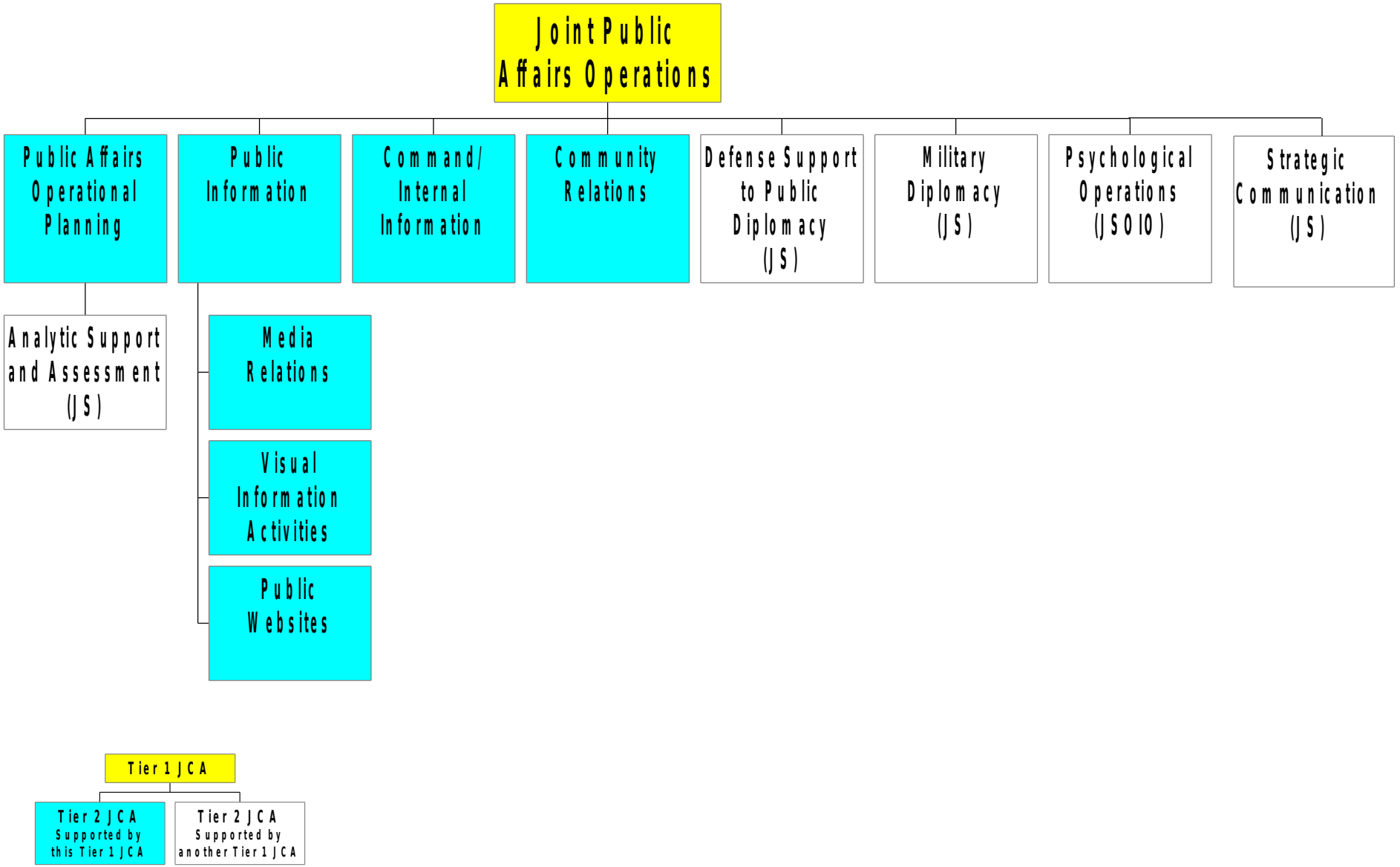

Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA

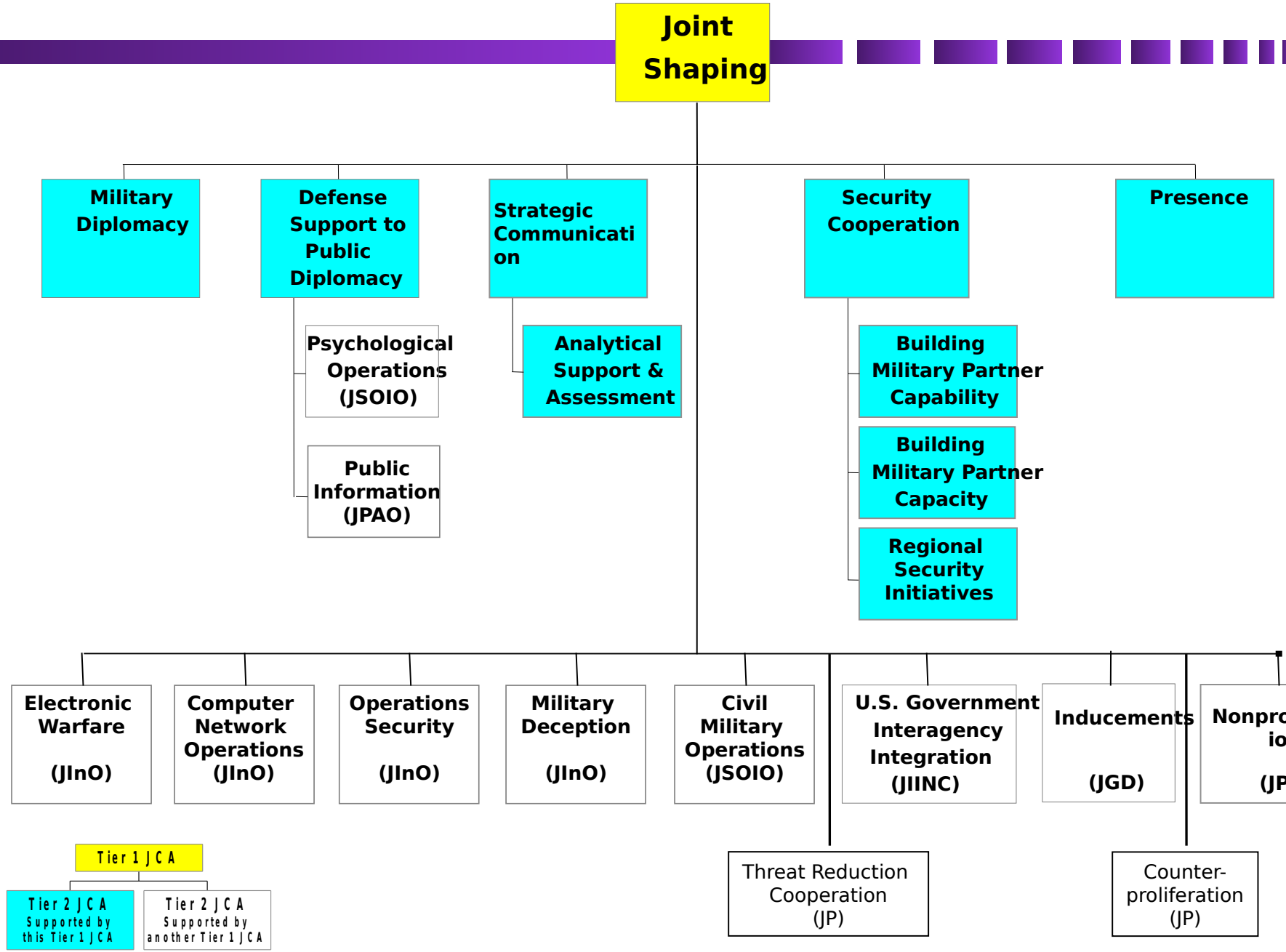

Joint Battlespace Awareness
Planning & Direction
Observation & Collection (All Domains)
Processing & Exploitation
Analysis & Production
Dissemination & Integration
Evaluation & Feedback
Develop & Maintain Shared Situational Awareness & Understanding (JC2)
Knowledge Management (JNCO)
Identify Requirements
Collection Management
Build Collection Plan
Develop ISR Architecture
Radio Frequency
Materials (Chem-Bio)
Geophysical
Electro-Optic/IR
Nuclear/Radiological
Radar
Human
MASINT
HUMINT
GEOINT (IMINT)
SIGINT
TECHINT
OSINT
Indications & Warning
Current Intelligence
General Military Intelligence
Intelligence Preparation of the Battlespace
Operational Intel & Targeting Intel
Science & Technology
Counter Intelligence
Modeling & Simulation
Predictive Intelligence
Develop Databases & Applications
Enable Smart Pull/Push for Intel Products
Enable Real-time Intel for Warfighter
Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA

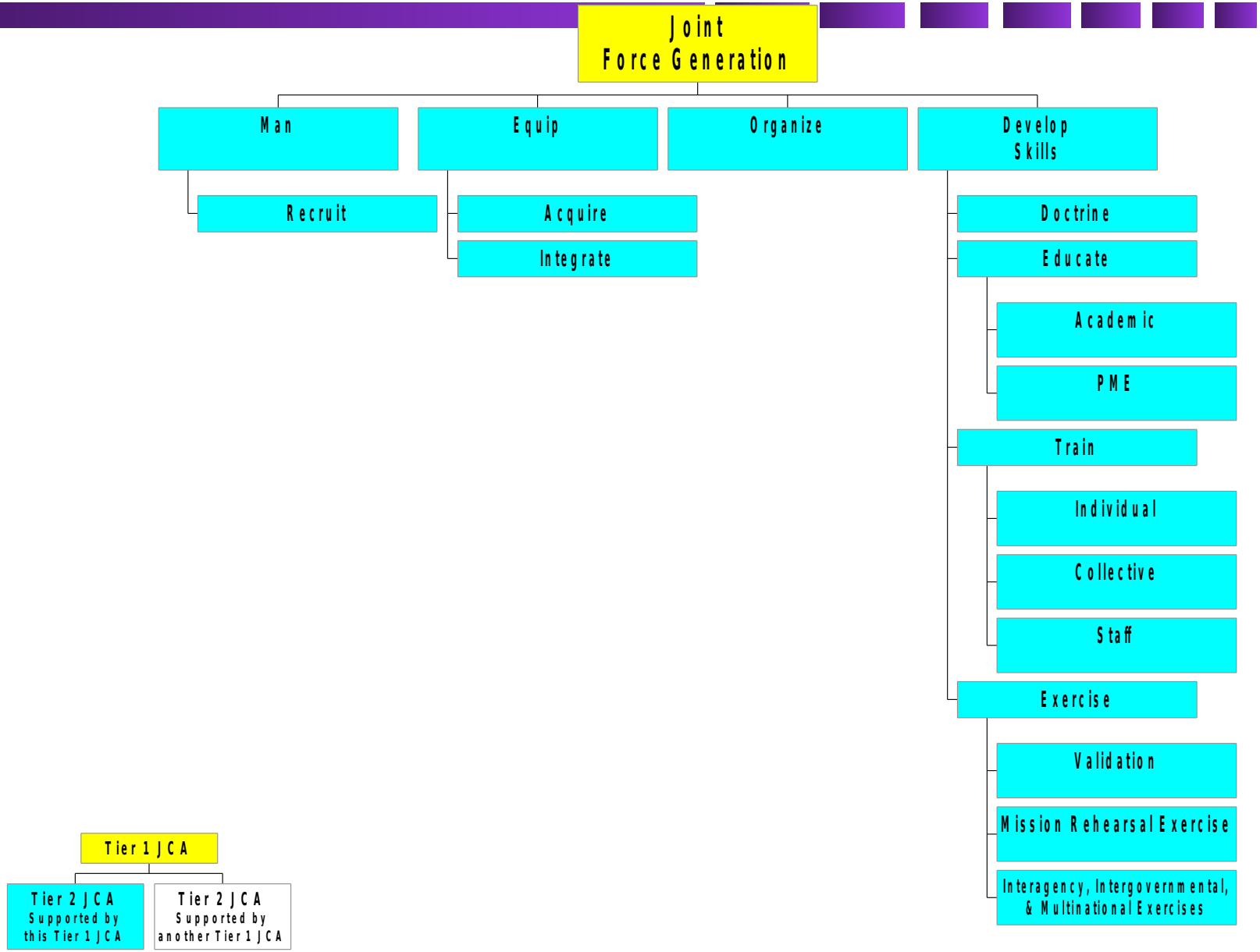

Joint Command & Control
Exercise Command Leadership
Establish/Adapt Command Structures and Enable both Global and Regional Collaboration
Develop & Maintain Shared Situational Awareness & Understanding
Communicate Commander's Intent and Guidance
Operational Planning
Synchronize Execution Accross All Domains
Monitor Execution, Assess Effects and Adapt Operations
Leverage Mission Partners
Establish/ Promulgate ROEs
Set Priorities Guidance & Standards
Cultivate Relationships w/MSN Partners
Manage Risk
Develop Strategy
Organize Staff to align w/ mission
Refine JTF Component org & integrate capabilities
Refine Command relationships
Establish/Identify Collaboration Mechanisms
Access/Share Info on Adversary/ Neutral/ Noncombatants
Access/Share Blue Force Situational Awareness
Access/Integrate Geospatial Info
Reachback for SME
Display tailored, relevant SA info -UDOP-
Incorporate Strategic Mission & Guidance into Commander's Intent
Conduct Mission Analysis
Develop/Promulgate Initial CDRs Intent/Guidance; Update as Reqd
Direct Action Through Mission-Type Orders
Develop/Analyze/ Select COAs
Develop Joint/ Coalition Campaign Plan
Develop Plans Across Full ROMO
Assess Plan Effectiveness; Prepare for Execution
Enable Self-Synchronization of Subordinate Forces
Synch Operations w/MSN partners & other agencies
Synch Execution Between/Across Phases
Validate Targets
Assess Compliance w/ CDR's Intent
Assess Achievement of Planned Effects
ID/Assess Implications of Unplanned Effects
Adapt Operations to Changing Situations
Determine Achievement of Desired Objective, End-State, or Phase Points
Communicate MSN Objectives, rationale, intentions & support/action
Coordinate w/MSN Partners to Gain Actionable Commitment
Logistics Information Fusion (JL)
Mission Rehearsal Exercise (JFG)
US Government Interagency Integration (JIINC)
Joint Theater Logistics (JL)
Knowledge Management (JNCO)
Observation & Collection (All Domains) (JBA)
Analysis & Production (JBA)
Planning & Direction (JBA)
Strategic Communication (JS)
Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA

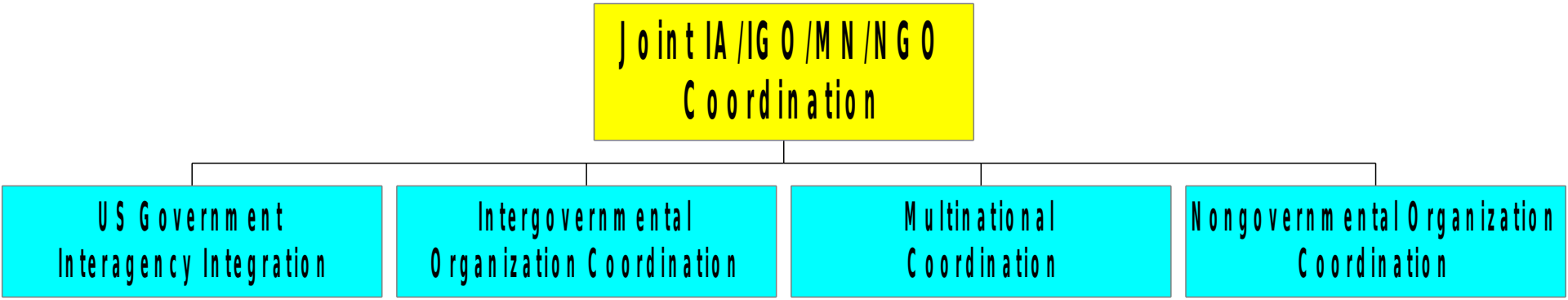

Joint
Force Management
Global
Posture
Global
Force
Management
Planning

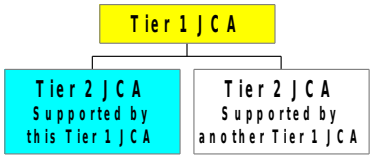

Tier 1 JCA
Tier 2 JCA
Supported by
this Tier 1 JCA
Tier 2 JCA
Supported by
another Tier 1 JCA


Joint Public Affairs Operations
Public Affairs Operational Planning
Public Information
Command/ Internal Information
Community Relations
Defense Support to Public Diplomacy (JS)
Military Diplomacy (JS)
Psychological Operations (JSOIO)
Strategic Communication (JS)
Analytic Support and Assessment (JS)
Media Relations
Visual Information Activities
Public Websites
Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA


Joint Shaping
Military Diplomacy
Defense Support to Public Diplomacy
Strategic Communication
Security Cooperation
Presence
Psychological Operations (JSOIO)
Public Information (JPAO)
Analytical Support & Assessment
Building Military Partner Capability
Building Military Partner Capacity
Regional Security Initiatives
Electronic Warfare (JInO)
Computer Network Operations (JInO)
Operations Security (JInO)
Military Deception (JInO)
Civil Military Operations (JSOIO)
U.S. Government Interagency Integration (JIINC)
Inducements (JGD)
Nonproliferation (JP)
Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA
Threat Reduction Cooperation (JP)
Counter-proliferation (JP)


Joint Force Generation
Man
Equip
Organize
Develop Skills
Recruit
Acquire
Integrate
Doctrine
Educate
Academic
PME
Train
Individual
Collective
Staff
Exercise
Validation
Mission Rehearsal Exercise
Interagency, Intergovernmental, & Multinational Exercises
Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA


Joint IA/IGO/MN/NGO Coordination
US Government Interagency Integration
Intergovernmental Organization Coordination
Multinational Coordination
Nongovernmental Organization Coordination


Tier 1 JCA
Tier 2 JCA Supported by this Tier 1 JCA
Tier 2 JCA Supported by another Tier 1 JCA